



National Weather Service

Storm Data and Unusual Weather Phenomena



April 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property	Crops	Character of Storm
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IOWA, Northeast

IAZ008-018

Mitchell - Floyd

05 1400CST
14 1200CST

0 0 45K Flood

Heavy rains combined with snow melt runoff caused the Cedar River to flood. At Charles City (Floyd County), the river crested at 17.8 feet on April 8, with water levels remaining above the flood stage of 12 feet for nearly another week. Several roads near the river were closed and there was minor damage to some homes.

Mitchell County
2 W Osage

06 1940CST

0 0 1M Thunderstorm Wind (G61)

Mitchell County
Osage

06 1940CST

0 0 50K Thunderstorm Wind (G57)

Wind gusts estimated at 65 to 70 mph caused damage to several farms, knocking down sheds and outbuildings. Ten cattle were killed when a large shed collapsed on them. A 660 foot chicken house, containing 45,000 chickens, was completely destroyed, injuring and killing many of the animals.

IAZ008>011-018>019-029>030

Mitchell - Howard - Winneshiek - Allamakee - Floyd - Chickasaw - Fayette - Clayton

07 0800CST
2000CST

0 0 16.1K High Wind (G61)^M

A strong pressure gradient associated with an intense low pressure system produced wind gusts of 60 to 70 mph across northeast Iowa. Law enforcement officials reported some trees and branches were knocked down, along with light structural damage to roofs and siding. The strong winds blew a semi-trailer off a highway near Floyd (Floyd County), but the driver was uninjured.

Howard County
Cresco

11 1600CST

0 0 0.50K Thunderstorm Wind (G52)

Chickasaw County
New Hampton

11 1615CST

0 0 1K Thunderstorm Wind (G52)

Howard County
Chester

11 1615CST

0 0 2.5K Hail (1.00)

Mitchell County
St Ansgar

11 1624CST

0 0 Hail (0.75)

Fayette County
2.5 W West Union to
2.5 NW West Union

11 1650CST
1655CST

2 75 0 1 40K Tornado (F1)



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IOWA, Northeast



Barns and outbuildings destroyed on a farm west of West Union from a tornado on April 11th.

Clayton County Mc Gregor	11	1730CST			0	0	0.75K	Thunderstorm Wind (G52)
Allamakee County Lansing	11	1745CST			0	0		Hail (0.88)
Allamakee County Lansing	11	1745CST			0	0	0.80K	Thunderstorm Wind (G52)

Law enforcement officials and storm spotters reported a tornado touched down just south of Highway 18, about 2.5 miles west of West Union (Fayette County). A farm was hit hard, with several barns, sheds and outbuildings damaged or destroyed. A 69 year old woman was trapped in one of the barns that collapsed and suffered injuries that put her in critical care. The tornado continued north-northeast toward the Douglas area, but lifted about 2.5 miles northwest of West Union. Elsewhere across northeast Iowa, hail the size of nickels and quarters was reported by spotters, while wind gusts estimated around 60 mph caused large branches to be blown down.

IAZ011-030

Allamakee - Clayton								
13	0000CST				0	0	4.5M	Flood
30	2359CST							

The combination of snow melt runoff and heavy rains caused the Mississippi River to rise to levels second only to the all-time record flood of April 1965. At Lansing (Allamakee County), the river crested at 19.9 feet on April 21. Further downstream, McGregor and Guttenberg (Clayton County) crested at 23.8 feet on April 20 and 21.6 feet on April 22 respectively. Considerable damage was done to homes and businesses by the high water, especially in the small towns of Marquette and Guttenberg (Clayton County). Overall damage costs due to the high water were estimated between 4 and 5 million dollars. This resulted in Allamakee and Clayton County being eligible for federal disaster relief funds. Even though the river began falling during the latter part of the month, water levels remained above flood stage until early May.



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MINNESOTA, Southeast

Fillmore County

Peterson	05	1050CST			0	0		Hail (0.75)
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Dime size hail was reported by students at the Peterson Junior High School.

MNZ095>096

Fillmore - Houston

06	1800CST				0	0	85K	Flood
15	1800CST							

The combination of snow melt runoff and heavy rains caused the Root River to flood. The river crested at Hokah (Houston County) on April 11 at 51.2 feet, well above the flood stage of 47 feet. Highway 16 near Hokah was closed due to high water for a couple of days and a few homes and businesses sustained minor damage due to the flood waters.

Mower County

Lyle	06	1940CST			0	0	2K	Hail (1.00)
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Fillmore County

York	06	2020CST			0	0		Hail (0.75)
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Hail the size of dimes and quarters was reported by the public.

Fillmore County

Spring Vly	06	2057CST 2300CST			0	0	30K	Flash Flood
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The combination of runoff from recent snow melt, along with thunderstorms producing two inches of rain in less than two hours, caused flash flooding. Spring Creek rose about half a foot every 15 minutes, flooding several homes and businesses. Some roads were closed due to the high water, including Highway 63.

MNZ079-086>088-094>096

Wabasha - Dodge - Olmsted - Winona - Mower - Fillmore - Houston

07	0800CST 2000CST				0	0	15.8K	High Wind (G54) ^M
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A strong pressure gradient associated with an intense low pressure system produced wind gusts of 60 to 70 mph across southeast Minnesota. The strong winds blew down limbs, power lines and caused minor damage to roofs and siding.

Winona County

3 S Winona	08	2210CST			0	0		Hail (0.75)
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Dime size hail was reported by storm spotters.

MNZ079-088-096

Wabasha - Winona - Houston

10	1000CST				0	0	5M	Flood
30	2359CST							

Water levels on the Mississippi River rose to near record levels due to a combination of snow melt runoff and heavy rains. In fact, only the all-time flood of record in April 1965 produced higher water than that recorded in April 2001. At Lake City and Wabasha (Wabasha County), the river crested at 20.1 feet and 18.2 feet respectively on April 16, which was the second highest crest on record. At Winona (Winona County), the river crested at 20.1 feet on April 17, which was also the second highest crest ever. Numerous homes, businesses and roads near the river were damaged by the high water, with total damage estimated around 5 million dollars. As a result, Wabasha, Winona and Houston County were declared eligible for state disaster relief funds. Even though the river began falling during the latter part of the month, water levels remained above flood stage until early May.

Olmsted County

Countywide	11	0655CST 0945CST			0	0	1K	Flash Flood
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Dodge County

Countywide	11	0715CST 0915CST			0	0	1.5K	Flash Flood
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MINNESOTA, Southeast

Fillmore County Countywide

11 0738CST
0938CST 0 0 1K Flash Flood

Up to 2.5 inches of rain in a couple of hours caused flash flooding. Law enforcement officials reported a one mile section of highway near Dodge Center (Dodge County) was closed due to high water.

Mower County Brownsdale

11 1624CST 0 0 Thunderstorm Wind (G52)

Mower County 1 SW Dexter

11 1630CST 0 0 25K Thunderstorm Wind (G55)



Outbuilding destroyed from high wind gusts on April 11th near Dexter, MN.

Olmsted County Stewartville

11 1702CST 0 0 Thunderstorm Wind (G52)^M

Microburst winds heavily damaged a farm just southwest of Dexter. Numerous outbuildings and barns were damaged or destroyed. Debris was thrown into fields toward the city of Dexter.

WISCONSIN, Southwest

Vernon County Viroqua

06 2130CST 0 0 Hail (0.75)

Dime size hail was reported by the public.

WIZ032>034-041>044- 053>054-061

Buffalo - Trempealeau - Jackson - La Crosse - Monroe - Juneau - Adams - Vernon - Crawford - Grant

07 0900CST
2000CST 0 0 11.6K High Wind (G64)^M

A strong pressure gradient associated with an intense low pressure system produced wind gusts of 60 to 70 mph across southwest and central Wisconsin. In fact, the La Crosse National Weather Service (La Crosse County) recorded a peak wind gust of 74 mph. The strong winds resulted in minor damage to roofs and siding, while knocking down some trees and limbs, which caused power outages.



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					Killed	Injured	Property Crops	

WISCONSIN, Southwest

WIZ032>033-041-
053>054-061

Buffalo - Trempealeau - La Crosse - Vernon - Crawford - Grant

10	1200CST	0	0	6.5M	Flood
30	2359CST				

Heavy rains, combined with snow melt runoff, caused the Mississippi River to reach near record levels. In fact, at most locations the water reached levels second only to the all-time flood of record, which occurred in April 1965. The Mississippi River at La Crosse (La Crosse County) crested at 16.4 feet on April 18, which was the third all-time highest flood on record. Hardest hit was the Prairie du Chien area (Crawford County) and points southward, where flood waters did considerable damage to businesses and homes. Overall damage due to the high water was estimated around 6 million dollars. This resulted in Buffalo, Trempealeau, La Crosse, Vernon, Crawford and Grant County being eligible for state disaster relief funds. Water levels began dropping during the latter part of the month, but remained above flood stage through early May.

Grant County

Glenhaven	11	1740CST	0	0	20K	Thunderstorm Wind (G53)
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Grant County

3.5 N Potosi	11	1740CST	0	0	6K	Thunderstorm Wind (G55)
		1745CST				

Crawford County

5 E Steuben	11	1812CST	0	0		Thunderstorm Wind (G52)
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Grant County

Boscobel	11	1815CST	0	0		Thunderstorm Wind (G52)
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Richland County

10 SW Richland Center	11	1830CST	0	0		Hail (0.75)
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Emergency management officials reported a 30 by 60 foot pole building near Glen Haven (Grant County) was ripped apart by wind gusts estimated around 60 to 65 mph. The roof of another large outbuilding near Potosi (Grant County) was blown off by thunderstorm winds.

Juneau County

New Lisbon	12	0200CST	0	0	1.5K	Thunderstorm Wind (G55)
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Juneau County

Mather	12	0201CST	0	0	0.75K	Thunderstorm Wind (G53)
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Adams County

Easton	12	0205CST	0	0	1K	Thunderstorm Wind (G55)
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Law enforcement officials reported numerous trees and power lines downed by wind gusts estimated between 60 and 65 mph

La Crosse County

Onalaska	23	0858CST	0	0		Hail (0.88)
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La Crosse County

Onalaska	23	0900CST	0	0		Hail (0.75)
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La Crosse County

Mindoro	23	0915CST	0	0		Hail (0.75)
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Clark County

1 S Humbird	23	0940CST	0	0		Hail (0.75)
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Jackson County

Black River Falls	23	0940CST	0	0		Hail (0.75)
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Dime to nickel size hail was reported by law enforcement officials and spotters.